

## Contents Vol. 85 (2004)

Marine organic geochemistry of the Eastern Mediterranean: 2. Polar biomarkers in Cretan Sea surficial sediments A. Gogou and E.G. Stephanou . . . . .	1
The oxidation of Fe(II) in NaCl–HCO <sub>3</sub> <sup>–</sup> and seawater solutions in the presence of phthalate and salicylate ions: a kinetic model J.M. Santana-Casiano, M. González-Dávila and F.J. Millero . . . . .	27
An intercomparison of HPLC phytoplankton pigment methods using in situ samples: application to remote sensing and database activities H. Claustre, S.B. Hooker, L. Van Heukelem, J.-F. Berthon, R. Barlow, J. Ras, H. Sessions, C. Targa, C.S. Thomas, D. van der Linde and J.-C. Marty . . . . .	41
One-dimensional and two-dimensional polyacrylamide gel electrophoresis: a tool for protein characterisation in aquatic samples V. Jones, C.J. Ruddell, G. Wainwright, H.H. Rees, R. Jaffé and G.A. Wolff . . . . .	63
A rapid, precise potentiometric determination of total alkalinity in seawater by a newly developed flow-through analyzer designed for coastal regions A. Watanabe, H. Kayanne, K. Nozaki, K. Kato, A. Negishi, S. Kudo, H. Kimoto, M. Tsuda and A.G. Dickson . . . . .	75
The impact of the transient uptake flux on bioaccumulation: Linear adsorption and first-order internalisation coupled with spherical semi-infinite mass transport J. Galceran, J. Monné, J. Puy and H.P. van Leeuwen . . . . .	89
Hydrolysis and chemical speciation of dioxouranium(VI) ion in aqueous media simulating the major ion composition of seawater A. Gianguzza, D. Milea, F.J. Millero and S. Sammartano . . . . .	103
The mass balance of dissolved thallium in the oceans M. Rehkämper and S.G. Nielsen . . . . .	125
Benthic fluxes of inorganic carbon in shallow coastal ecosystems of the Iberian Peninsula J.M. Forja, T. Ortega, T.A. DelValls and A. Gómez-Parra . . . . .	141
Speciation of trialkyltin(IV) cations in natural fluids C. Foti, A. Gianguzza, D. Milea, F.J. Millero and S. Sammartano . . . . .	157
Variability of the partial pressure of CO <sub>2</sub> on diel to annual time scales in the Northwestern Mediterranean Sea C. Copin-Montégut, M. Bégovic and L. Merlivat . . . . .	169
<i>Corrigendum</i>	
Corrigendum to “A trace metal clean reagent to remove surface-bound iron from marine phytoplankton” [Marine Chemistry 82 (2003) 91–99] A. Tovar-Sanchez, S.A. Sañudo-Wilhelmy, M. Garcia-Vargas, R.S. Weaver, L.C. Popels and D.A. Hutchins . . . . .	191

*Erratum*

Erratum to "Erratum of pH, light, and temperature on Fe-EDTA chelation and Fe hydrolysis in seawater" [Marine Chemistry 84 (2003) 35–47]

W. Sunda and S. Huntsman ..... 193

*Corrigendum*

Corrigendum to "Marine organic geochemistry of the Eastern Mediterranean: 2. Polar biomarkers in Cretan Sea surficial sediments" [Marine Chemistry 85 (2004) 1–25]

A. Gogou and E.G. Stephanou ..... 195

Author Index Vol. 85 (2004) ..... 199

Keyword Index Vol. 85 (2004) ..... 201

Contents Vol. 85 (2004) ..... 203

